

### Threaded Lock Pins • self-locking

EH 22355.



Threaded lock pins are used for quick fastening, locking, adjusting, changing, clamping, connecting and securing. Quickly and easily unlockable for frequently repeated connections

- Corrosion-protected
- No time-consuming screwing in and out
- Self-locking due to spring load

NEW

### Threaded Lock Pins • self-locking, with axial bearing

EH 22356.



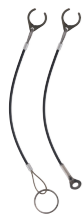
Threaded lock pins are used for quick fastening, locking, adjusting, changing, clamping, connecting and securing. Quickly and easily unlockable for frequently repeated connections.

- Corrosion-protected
- No time-consuming screwing in and unscrewing
- Self-locking due to spring force
- With axial bearing

NEW

### Retaining Cables • for threaded lock pin

EH 22355.



These retaining cables are provided for attachment to the threaded lock pins EH 22355./EH22356 and act as loss prevention device.

NEW

### Locating Bushings • for ball lock pins and socket pins

EH 22400.



For quick and safe locating of ball lock pins and socket pins. This design with holes on the front face is suitable for applications which require installation flush to the surface.

- corrosion-resistant
- optimised centering due to precise collar
- ensure safe tolerances and consistent function
- easily incorporable into different materials
- can be used in thin-walled pieces
- applicable from both sides

### Locating Bushings • with flange, for ball lock pins and socket pins

EH 22400.



For quick and safe locating of ball lock pins and socket pins. Used for thin sheet materials, e.g. in vehicle construction, apparatus engineering, container construction and the aviation industry.

- corrosion-resistant
- ensures optimum force distribution at components with thin walls

### Retaining Cables

EH 22400.



For quick and safe locating of ball lock pins, clamping pins and socket pins.

- available lengths: 150, 200 and 300 mm (special lengths on request)
- spiral form design with very high effective working length up to 1200 mm
- stainless steel cable with/without coating (various colours)
- plastic version with double sided clamping/indexing mechanism

### AVIATION

## INCH PORTFOLIO – MOST CERTAINLY

The aviation industry is one of the fastest growing markets on the planet. The factors of durability and safety play a key role in the manufacturing of aircraft components. Their long years of experience have turned Erwin Halder KG into the ideal partner of the aviation industry.

Keep track of our ongoing expansions and other products as for example our Bypass Pin Kits by logging on to [www.halder.aero](http://www.halder.aero).



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**HALDER**

Erwin Halder KG  
Erwin-Halder-Strasse 5-9  
88480 Achstetten - Bronnen  
Germany

T +49 7392 7009 - 0  
F +49 7392 7009 - 160  
info@halder.com  
www.halder.com

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## BALL LOCK PINS

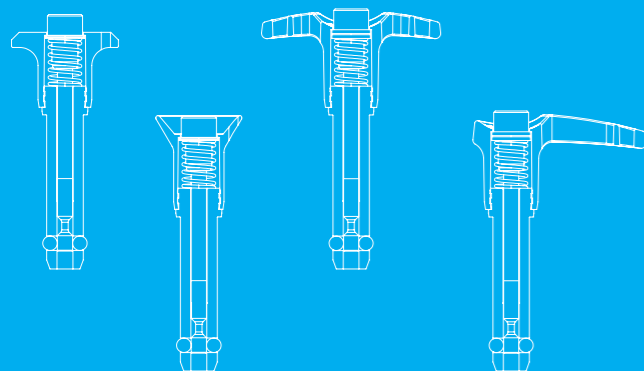


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## BALL LOCK PINS

# LEADERS IN THE METRIC RANGE



We offer more than 2,000 different variants including matching accessories, the selection is enormous.

The applications the products can be used for are almost as manifold as our product selection. Fixing, locking, connecting, adjusting and quickly changing different positions. Better yet, all of these operations are self-locking and do not require additional tools. Other key benefits of ball lock pins are their unique ability to withstand enormous shearing loads and their perfect resistance to corrosion and, thus, wear.



[www.halder.com/halder-pins/halder-pins-overview](http://www.halder.com/halder-pins/halder-pins-overview)

### Ball Lock Pins • self-locking, with T-Handle

EH 22340. / EH 22350.



For quick fastening, locking, adjusting, changing and securing. Quickly and easily unlockable for frequently repeated connections.

- corrosion-resistant
- version EH 22350. with a high-strength and hardened pin that stands for extreme load capacity and outstanding wear protection
- ergonomic grip
- versions Ø 5–25 mm, various lengths
- also as an INCH version made to aviation industry standards MS17985 / NAS1333-1343

### Ball Lock Pins • self-locking, with L-handle

EH 22340. / EH 22350.



For quick fastening, locking, adjusting, changing and securing. Quickly and easily unlockable for frequently repeated connections.

- corrosion-resistant
- version EH 22350. with a high-strength and hardened pin that stands for extreme load capacity and outstanding wear protection
- ergonomic grip
- versions Ø 5–25 mm, various lengths
- also as an INCH version made to aviation industry standards MS17986 / NAS1333-1343

### Ball Lock Pins • self-locking, with button handle

EH 22340. / EH 22350.



For quick fastening, locking, adjusting, changing and securing. Quickly and easily unlockable for frequently repeated connections.

- corrosion-resistant
- version EH 22350. with a high-strength and hardened pin that stands for extreme load capacity and outstanding wear protection
- compact design with button handle
- versions Ø 5–25 mm, various lengths
- also as an INCH version made to aviation industry standards MS17984 / NAS1333-1343

### Ball Lock Pins • self-locking, with safety handle

EH 22340. / EH 22350.



For quick fastening, locking, adjusting, changing and securing. Quickly and easily unlockable for frequently repeated connections.

- corrosion-resistant
- version EH 22350. with a high-strength and hardened pin that stands for extreme load capacity and outstanding wear protection
- robust safety-handle protects from unintentional use of the press button
- versions Ø 5–25 mm, various lengths

### Clamping Pins • self-locking, with span compensation

EH 22360.



Used for fixing and simultaneously tightly connecting thin-walled material.

- corrosion-resistant
- ergonomic plastic grip
- clamping distance of 5 mm
- versions Ø 6–12 mm, various lengths

### Ball Lock Pins • self-locking, with standard handle

EH 22370. / EH 22380.



For quick fastening, locking, adjusting, changing and securing. Quickly and easily unlockable for frequently repeated connections.

- corrosion-resistant
- version EH 22350. with a high-strength and hardened pin that stands for extreme load capacity and outstanding wear protection
- compact design with standard handle
- versions Ø 5–25 mm, various lengths

### Ball Lock Pins • self-locking, with standard handle, titanium

EH 22370. / EH 22380.



For quick fastening, locking, adjusting, changing and securing. Quickly and easily unlockable for frequently repeated connections.

- absolutely corrosion-resistant
- over 40% lighter weight compared to a steel variant
- used in areas such as lightweight construction, maritime environments and chemical manufacturing
- compact design with standard handle
- versions Ø 6–10 mm, various lengths

### Ball Lock Pins • self-locking, with elastic grip

EH 22370. / EH 22380.



For quick fastening, locking, adjusting, changing and securing. Quickly and easily unlockable for frequently repeated connections.

- corrosion-resistant
- version EH 22380. with a high-strength and hardened pin that stands for extreme load capacity and outstanding wear protection
- elastic and ergonomic grip with integrated reset
- versions Ø 5–16 mm, various lengths

### Ball Lock Pins • self-locking, with combination handle

EH 22370. / EH 22380.



For quick fastening, locking, adjusting, changing and securing. Quickly and easily unlockable for frequently repeated connections.

- corrosion-resistant
- version EH 22380. with a high-strength and hardened pin that stands for extreme load capacity and outstanding wear protection
- ergonomic grip, different colour combinations
- versions Ø 5–25 mm, various lengths

### Ball Lock Pins • self-locking, with adjustable clamping span

EH 22370. / EH 22380.



Used for fixing and clamping of two pieces or rather for removal of remaining play or slack.

- corrosion-resistant
- version EH 22380. with a high-strength and hardened pin that stands for extreme load capacity and outstanding wear protection
- versions Ø 5–16 mm, various lengths
- clamping span adjustable up to 10 mm

### Socket Pins • with spring-loaded balls

EH 22400.



For quick fastening, locking, adjusting, changing and securing. Quickly and easily unlocked for frequently repeated connections.

- corrosion-resistant
- ergonomic plastic grip
- versions Ø 6–12 mm, various lengths

### Clamp Lock Pins • with button handle

EH 22410. / EH 22420.



For rapid fastening, locking, adjusting, replacing, and securing in blind holes (H11) without additional locating bushings.

- corrosion-resistant
- version EH 22420. with a high-strength and hardened pin that stands for extreme load capacity and outstanding wear protection
- versions Ø 6–16 mm, various lengths